Philips
LCD widescreen monitor

19.1" wide
WXGA+

190CW8FB

WideScreen
SmartAccessory
SmartImage™
SmartContrast
Smart Response
PerfecTune
SmartControl
USB Connectivity
Works with Windows Vista®

Elegant Widescreen performance

With SmartImage for the best-ever LCD performance and a wide screen, the 190CW8 brings you not only premium display, but also the easy-to-use convenience USB and VGA connectors, the best value for money LCD monitor for your choice.

Outstanding front of screen performance

- Big, wide screen: IM, write mail, watch videos on one screen
- SmartImage: For an optimised display experience
- SmartContrast: Dynamic,optimised contrast for visual clarity
- Optimise response time for different viewing requirements
- PerfecTune ensures top-quality LCD display delivered to you
- Empowered for Windows Vista

Great convenience

- SmartAccessory to personalise and organise your workspace
- Hassle-free display performance tuning with SmartControl II
- USB port for convenient peripheral connections

Green design

- For your safety: Aerospace composite fire retardant case
- TCO'06 compliance for a better multimedia experience

design award china 2007

PHILIPS
sense and simplicity

LCD widescreen monitor
19.1" wide WXGA+

190CW8FB/00

Specifications

Picture/Display
- LCD panel type: 1440 x 900 pixels, Anti-glare polariser, RGB vertical stripe
- Panel Size: 19.1"/48.1 cm
- Effective viewing area: 410.4 x 256.5 mm
- Pixel pitch: 0.285 x 0.285 mm
- Brightness: 300 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast ratio (dynamic): 3500:1
- Display colours: 16.7 M
- Viewing angle: 160° (H)/160° (V), @ C/R > 10
- Response time (typical): 5 ms
- SmartResponse: 2 ms (Grey to Grey)
- Maximum Resolution: 1440 x 900 @ 75 Hz
- Optimum Resolution: 1440 x 900 @ 60 Hz
- Video Dot Rate: 140 MHz
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 - 76 Hz
- Picture enhancement: SmartImage
- sRGB

Connectivity
- Signal Input: VGA (Analogue)
- USB: USB 2.0 x 1
- Video Sync Input Signal: Composite Sync, Separate Sync, Sync on Green

Convenience
- User convenience: On-screen Display, SmartControl II
- Monitor Controls: SmartImage, Auto (Back), Input (Down), Brightness (Up), Menu (OK), Power On/Off
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish
- Other convenience: Kensington lock compatible
- Plug & Play Compatibility: DDC/CI, sRGB, Windows 98/ME/2000/XP/Vista
- Regulatory Approvals: CE Mark, EMC, Energy Star, FCC-B, UL, CSA
- Tilt: -5° to 20°

Accessories
- Included Accessories: AC Power Lead, VGA cable
- User manual

Dimensions
- Box dimensions (W x H x D): 500 x 415 x 149 mm
- Box dimensions in inch (W x H x D): 19.7 x 16.3 x 5.9 inch
- Set dimensions (W x H x D): 452 x 371 x 78 mm
- Set dimensions in inch (W x H x D): 17.8 x 14.6 x 3.1 inch
- Set dimensions with stand (W x H x D): 452 x 375 x 183 mm
- Set dimensions with stand in inch (W x H x D): 17.8 x 14.8 x 5.4 inch
- MTBF: 50,000 (excl. CCFL 40,000) hrs
- Relative humidity: 20% - 80%
- Temperature range (operation): 0°C to 40°C
- Temperature range (storage): -20°C to 60°C
- Product weight (+stand): 3.8 kg
- Product weight (+stand) (lb): 8.4 lb
- Weight incl. Packaging: 5.3 kg
- Weight incl. Packaging (lb): 11.7

Power
- Complies with: Energy Star
- Consumption (On mode): < 36 W (Typical)
- Consumption (economy mode): 27 W
- Consumption (Off Mode): < 1 W
- Power LED indicator: Operation - green, Standby/ sleep - Amber
- Power supply: Built-in, 100-240 VAC, 50/60 Hz

Product highlights

Widescreen design
A wide screen has a wider aspect ratio for displaying more entertainment or information to have more fun and get more done.

SmartImage
SmartImage is an exclusive leading-edge Philips technology that analyses the content displayed on your screen. Based on a scenario you select, SmartImage dynamically enhances the contrast, colour saturation and sharpness of images and videos for ultimate display performance - all in real time and at the press of a single button.

SmartContrast
SmartContrast is Philips technology that analyses the contents you are displaying, automatically adjusting colours and controlling backlight intensity to dynamically enhance contrast for the best digital images and optimum contrast for better entertainment when viewing videos or playing games where dark hues are displayed; when you select the Economy mode, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

SmartResponse
SmartResponse is exclusive Philips technology that adjusts response time to application requirements, delivering faster response times for gaming and videos or better colour saturation for viewing photos and static images.

PerfecTune
PerfecTune is industry-leading, proprietary Philips testing and algorithm technology for monitor adjustment and fine tuning, an extensive process that ensures ultimate display performance in compliance with a standard four times more stringent than Microsoft's Vista requirements from each and every monitor that leaves the factory - not just a few review samples. Only Philips goes to these lengths to deliver this exacting level of colour accuracy and display quality in every new monitor.

Windows Vista-ready
Philips Vista-ready monitors are empowered for vibrant, exciting display of this new, visually sophisticated and demanding Windows operating system, designed to enhance your entertainment experience, make you more productive and help you control your computing experience at home and in the office, making viewing, finding and organising information for work or play quick, efficient and easy.

SmartAccessory
SmartAccessory is an innovative and friendly solution for easily and flexibly attaching peripherals like a webcam or stationery onto a monitor frame to keep your space tidy and organised. It is equipped with multifunction clips with a universal interface that attaches to the monitor frame and moves up and down or left and right to accommodate a variety of included or optional holders for stationery, small peripherals like webcams, conveniently locating work or personal items in your line of sight and at your fingertips.

SmartControl II
SmartControl II is monitor-based software with an easy-to-use on-screen graphic interface that guides you through fine-tuning resolution, colour calibration and other display settings including brightness, contrast, clock & phase, position, RGB, white point and - on models with onboard speakers - volume adjustments.

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